

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	152986	"33" and probe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/07 15:03
L6	32	("4575834"   "5015850"   "5132533"   "5155715"   "5166520"   "5187367"   "5305294"   "5371728"   "5396453"   "5412641"   "5461605"   "5471458").PN. OR ("5610898").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/07 15:46
L7	1	"5317533".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/07 15:46
L8	23	(US-20030049912-\$ or US-20040124406-\$ or US-20050156271-\$ or US-20040124407-\$ or US-20030052330-\$ or US-20050122757-\$ or US-20040042259-\$ or US-20030169618-\$).did. or (US-6813178-\$ or US-5389475-\$ or US-5623476-\$ or US-5914893-\$ or US-6411589-\$ or US-5289455-\$ or US-5392275-\$ or US-5835477-\$ or US-6999403-\$ or US-6944114-\$ or US-6528807-\$ or US-5610898-\$ or US-5317533-\$ or US-7042828-\$ or US-7020064-\$).did.	US-PGPUB; USPAT	OR	ON	2006/07/07 16:48
L9	13	8 and chalcogen\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/07 16:49
S1	5	"758228".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 16:57
S2	6	("5914893" "6181050" "6411589"). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 16:58

## EAST Search History

S3	415	257/500.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 17:20
S4	10	((memory or storage) same (read\$3 same writ\$3 same eras\$3)) and (electrode same electrolyte) and (voltage near supply) and chalcogen\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 18:17
S5	4	("20020000034"   "20040124407"   "6084796"   "6487106").PN. OR ("6927411").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/30 18:10
S6	58	((memory or stor\$3) same (read\$3 same writ\$3 same eras\$3)) and (electrode) and (electrolyte or (ion near conduct\$3)) and chalcogen\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 18:20
S7	287	((memory or stor\$3) same (read\$3 or writ\$3 or eras\$3)) and (electrode) and (electrolyte or (ion near conduct\$3)) and (memory near cell) and (non-volatile or "non volatile")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 18:22
S8	196	S7 and @ad < "20040116"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 19:48
S9	113	S8 and (PCRAM PMC or (programmable near metallization))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 18:57
S10	113	S9 and voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 19:02
S11	23	S9 and (voltage near (device or supply))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 18:58

## EAST Search History

S12	12	S9 and (probe)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 19:04
S13	4	"6181050".pn. or "6411589".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 19:05
S14	12	("5392275"   "5557596"   "5751683"   "5835477"   "5953306"   "6191518"   "6262962").PN. OR ("6411589").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/30 19:06
S15	24	("4064558"   "4122530"   "5036490"   "5216631"   "5485451"   "5490132"   "5535185"   "5572502"   "5623295").PN. OR ("5835477").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/30 19:42
S16	4	S15 and (PCRAM or PMC or chalcogenide)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/30 19:48
S17	66	(probe near2 array) and ((programmable with metallization) or PCRAM or PMC or chalcogenide)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/30 19:50
S18	46	S17 and @ad < "20040116"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 19:52
S19	71	(probe near2 array) and ((programmable with metallization) or PCRAM or PMC or chalcogenide or (memory same electrolyte))	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/30 19:54
S20	29	S19 and ((memory or storage) with (device or medium))	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/30 19:52
S21	19	S20 and @ad < "20040116"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 19:58
S22	349	(probe with array) and ((electrode) same (electrolyte or chalcogenide (ion near conduct))) and (memory or storage)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/30 19:56

## EAST Search History

S23	353	(probe with array) and ((electrode) same (electrolyte or (ion near conduct\$3))) and (memory or storage)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/30 19:57
S24	82	(probe near array) and ((electrode) same (electrolyte or chalcogenide (ion near conduct))) and (memory or storage)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/30 20:02
S25	65	S24 and @ad < "20040116"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/30 19:58
S26	66	((probe) same (electrode) same (electrolyte or chalcogenide (ion near conduct\$3))) and ((memory or storage) with (read\$3 or writ\$3 or eras\$3)) and voltage	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/30 20:03
S27	14	("4306196"   "4322687"   "4462002"   "4495470"   "4725348"   "4810973"   "4987379"   "4992755"   "5233543"   "5726597"   "5793230"   "5880614"   "6002355"   "6445171").PN. OR ("6922081").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/30 20:05
S28	15	(US-20030049912-\$ or US-20040124406-\$ or US-20050156271-\$ or US-20040124407-\$ or US-20030052330-\$).did. or (US-6813178-\$ or US-5389475-\$ or US-5623476-\$ or US-5914893-\$ or US-6411589-\$ or US-5289455-\$ or US-5392275-\$ or US-5835477-\$ or US-6999403-\$ or US-6944114-\$). did.	US-PGPUB; USPAT	OR	ON	2006/07/06 20:07
S29	6	S28 and dendrite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/07 10:50
S30	6396	(memory near (cell or device)) and (read\$3 with voltage) and (writ\$3 with voltage) and (eras\$3 with voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/07 10:54

## EAST Search History

S31	215	S30 and ((ion near conduct\$3) or electrolyte or chalcogen\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/07 10:55
S32	126	S31 and @ad < "20040116"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/07 11:47
S33	115	S32 and resistance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/07 15:03